Multiple Linear Regression R2 Score - 0.7894790349867009

SVM					
S.no	**Hyper Tuning Parameter**	**Linear**	**Poly**	**RBF**	**Sigmoid**
1	C=0.1	-0.122076684	-0.086252517	-0.089576246	-0.089743519
2	C=0.5	-0.120522237	-0.076031528	-0.089055414	-0.089871962
3	C=1.0	-0.111661287	-0.064292584	-0.088427328	-0.089941217
4	C=10	-0.001617632	-0.093116155	-0.081969104	-0.090783198
5	C=100	0.54328182	-0.099761723	-0.124803678	-0.118145548
6	C=1000	0.634036931	-0.055505938	-0.117490924	-1.665908132
7	C=3000	0.759089037	0.048928964	-0.096212851	-12.01904811

Decision Tree Regressor				
S.No	**Crition**	**Max Feature**	**Splitter**	**R Value**
1	squared_error	none	best	0.688335901
2	squared_error	none	randome	0.723100991
3	squared_error	sqrt	best	0.79005743
4	squared_error	sqrt	randome	0.734296205
5	squared_error	log2	best	0.732064046
6	squared_error	log2	randome	0.670608331
7	friedman_mse	none	best	0.694726739
8	friedman_mse	none	randome	0.755006227
9	friedman_mse	sqrt	best	0.762873276
10	friedman_mse	sqrt	randome	0.690868778
11	friedman_mse	log2	best	0.694629414
12	friedman_mse	log2	randome	0.667698941
13	absolute_error	none	best	0.638857964
14	absolute_error	none	randome	0.720879196
15	absolute_error	sqrt	best	0.622901494
16	absolute_error	sqrt	randome	0.657491084
17	absolute_error	log2	best	0.67959723
18	absolute_error	log2	randome	0.699634275
19	poisson	none	best	0.707408006
20	poisson	none	randome	0.753282082
21	poisson	sqrt	best	0.687450688
22	poisson	sqrt	randome	0.701149979
23	poisson	log2	best	0.745601667
24	poisson	log2	randome	0.517216104

Random Forest				
S.No	Crition	Max Feature	n_estimators	R Value
1	squared_error	none	10	0.833030413
2	squared_error	none	100	0.853830791
3	squared_error	sqrt	10	0.852000635
4	squared_error	sqrt	100	0.87102719
5	squared_error	log2	10	0.852000635
6	squared_error	log2	100	0.87102719
7	friedman_mse	none	10	0.833166268
8	friedman_mse	none	100	0.854051894
9	friedman_mse	sqrt	10	0.850277799
10	friedman_mse	sqrt	100	0.871054402
11	friedman_mse	log2	10	0.850277799
12	friedman_mse	log2	100	0.871054402
13	absolute_error	none	10	0.835063555
14	absolute_error	none	100	0.852009362
15	absolute_error	sqrt	10	0.857429008
16	absolute_error	sqrt	100	0.871068586
17	absolute_error	log2	10	0.857429008
18	absolute_error	log2	100	0.871068586
19	poisson	none	10	0.831399104
20	poisson	none	100	0.852633426
21	poisson	sqrt	10	0.854495529
22	poisson	sqrt	100	0.868015698
23	poisson	log2	10	0.854495529
24	poisson	log2	100	0.868015698

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